Madison Vertical Float Switches

Each Madison Vertical Float Switch has a dry reed switch in the stem.
This switch is closed by the magnet in the float as the level rises.

SPECIFICATIONS

Float Material	Stem Material	Max. Temp.	Max. PSIG	Application	Model Standard	Number Miniature
316SS	316SS	200˚C	200	High Temperature, High Pressure,	5600	5000
316SS	Brass	200˚C	200	Corrosive Conditions	5400	5040
316SS	316SS	250˚C	200	Very High Temperature	5917	-
Polypropylene	Polypropylene	105˚C	100	General Purpose, for Acidic Conditions	8800	8000
Buna-N	PBT	105˚C	150	Gasoline and Oil*	7800	7000*
Buna-N	Brass	105˚C	150	General Purpose, Low Specific Gravity,	4300	4500
Buna-N	316SS	105˚C	150	for Gasoline and Oil	4600	4400
Polypropylene	316SS	105˚C	100	General Purpose, with Metal Stem	8600	8020
Polypropylene	Brass	105˚C	100		8400	8040
Kynar	Kynar	100˚C	15	Outstanding Chemical Resistance	9800	9000

*Not for use in water above 65°C
Standard = 60VA Contacts, 1/4" NPT Fitting
Miniature = 30VA Contacts, 1/8" NPT Fitting

ORDERING INFORMATION

To order use prefix and model number from chart above.
Example: MD/MS4600

MD/M4	Prefix for units w/o Sloss Shield
MD/MS	Prefix for units with Sloss Shield

Monarch Palm Strobe

- One touch tuning
- Flash rates to 12500 FPM
- Tachometer mode
- TTL compatible input/output
- Memory recall
- Rechargeable battery

Four quadrant joystick button adjusts flash rate, x2, ÷2.

SPECIFICATIONS

Operating Modes	Internal 100-12500 FPM External 5-12500 FPM Tach 5-250000 RPM
Battery Run Time	1 hour typical
Display	6 digit backlit LCD

ORDERING INFORMATION

MN/6205-010	Palm Strobe, with charger
MN/6205-013	Palm Strobe Kit (spare battery & lamps, holster & case)

Monarch Optical Tachometers

- Operating Range up to 25 Feet
- Accepts Remote Contact Assembly (optional)
- Accepts Remote Sensors (optional)
- TTL Pulse Output
- Auto Ranging or Fixed Decimal
- English and Metric Rates
- Tripod Mounting Bushing
- On-Target and Low Battery Indicators
- Rugged Rubberized Housing
- N.I.S.T. traceable Certificate of Calibration

PLT200 ▶

PLT200 SPECIFICATIONS

Display:	5 digit alpha-numeric LCD
Optical Range:	5 to 200,000 RPM
Contact Range*:	0.5 to 20,000 RPM (other ranges: inches, yds, miles, cm, m per hour or per second)
Optical Accuracy:	±0.01% of reading
Contact Accuracy*:	±0.05% of reading (RPM)
Resolution:	0.001 to 10 RPM (range dependent)
Operating Range:	2 inches to 25 feet
Light Source:	Class 3R visible laser
Memory:	Maximum, Minimum and Last
Power:	(2) AA batteries
Environmental:	5° to 40°C (0° to 100°F) 80% RH up to 31°C (88°F)
Dimensions:	6.92 "H x 2.4"W x 1.6"D
Weight:	7 oz. (210 g)

* with optional Remote Contact Assembly (RCA).

PLT200 is a 32 function Laser Tachometer and Ratemeter/Totalizer/Counter/Timer (stopwatch). The unit is programmable in both English and Metric rates. Support is built-in for the optional Remote Contact Assembly (RCA) and plug-in remote sensors. A TTL compatible pulse output can trigger devices like data collectors or stroboscopes. The ergonomic design allows safe, direct line-of-sight viewing of both the target and the display at the same time. The case has a no-slip rubber surface for single hand operation.

PT99 SPECIFICATIONS

Display:	5 digit alpha-numeric LCD
Range:	5 to 99,999 RPM
Accuracy:	0.01% of reading or ±1 Digit
Resolution:	Autoranging: 0.001 to 1.0 RPM Fixed: 1 RPM
Operating Range:	2 to 36 inches
Light Source:	Red LED
Memory:	Maximum, Minimum & Last
Power:	(2) AA 1.5 VDC batteries
Environmental:	5° to 40°C (0° to 100°F) 80% RH up to 31°C (88°F)
Dimensions:	6.92"H x 2.4"W x 1.6"D
Weight:	7 oz. (210 g)

PT99 ▶

- Non-Contact Optical Measurement
- Operating Range up to 36 Inches
- Rugged, Ergonomic Rubberized Housing
- Tripod Mounting for Hands Free Operation
- Autoranging or Fixed Decimal

Direct line-of-sight viewing of both the rotating target and the display at the same time.

ORDERING INFORMATION

Catalog No.	MODEL	DESCRIPTION
MN/6125-010	PLT200	Pocket Laser: Tachometer/Timer/Totalizer with N.I.S.T. traceable certificate of calibration and 12" of reflective tape.
MN/6125-011	PLT200 KIT	Pocket Laser Tachometer Kit includes: Tach, RCA, Carrying Case, N.I.S.T. certificate and 5 ft roll of T-5 reflective tape.
MN/6109-010	PT99	Pocket Tachometer with 12" of reflective tape
Accessories for PLT200		
MN/6180-057	ROS-P	Remote Optical Sensor with 8-foot cable, mounting bracket and 12" of reflective tape.
MN/6180-057-25	ROS-P-25	Remote Optical Sensor with 25-foot cable, mounting bracket and 12" of reflective tape.
MN/6180-017	MT-190P	Magnetic trigger Sensor/Amplifier with 8 foot cable
MN/6180-020	IRS-P	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket
MN/6180-028	EC-25P	25 foot extension cable for all sensors
MN/6280-037	CA-4044-6	6 foot input/output cable, 1/8 inch mono phone plug to BNC connector
MN/6180-074	RCA	Remote Contact Assembly includes contact tips (concave and convex) and 10 cm linear contact wheel.
MN/6580-010	CTE	Rubber concave, convex tips and 10 cm contact wheel
MN/6580-011	12" Contact Wheel	Linear Contact Wheel with 12-inch circumference for use with RCA.
Accessories for both models		
MN/6180-047	CC-10	Padded Pouch
MN/6180-048	CC-11	Latching Plastic Carrying Case.
MN/6180-070	T-5	Reflective Tape 5 foot roll, 0.5 " wide

Extech Tachometers

Combination Laser Tach & IR Thermometer

- Buit-in laser thermometer measures surface temperature of moving parts
- Fixed 0.95 emissivity, 6:1 distance to target ratio
- Non-contact photo tach measures to 6.5ft (2m)
- Contact tach for RPM & linear speed
- Min/Max/Last memory
- Complete with tips/wheel, AA batteries, reflective tape, carrying case

RPM10

Contact/Laser Photo Tachometer

- Laser guided non-contact measurements to 6.5ft (2m)
- Characters on display reverse for easy reading (photo/contact mode)
- Hold button stores last reading for 5 minutes
- Min/Max memory
- Complete with wheels, AA batteries, reflective tape, carrying case

461995

SPECIFICATIONS	
Display	99999 counts
Range	
rpm	10 to 99999 photo
	0.5 to 20000 contact
ft/min	0.2 to 6560
m/min	0.05 to 1999.9
Accuracy	±0.05% ±1d
Resolution	0.1 rpm
Laser	-4 to 650°F / -20 to 315°C (RPM10 only)
Dimensions	8.5 x 6.1 x 1.5" (216x66x38mm)

ORDERING INFORMATION	
EX/RPM10	Combination Tachometer + IR Thermometer
EX/461995	Contact/Laser Tachometer
EX/461937	Reflective Tape 10pcs 1/4"x23"
EX/461990	Contact Wheels (cone tip, flat tip)

Extech Light Meters

Model EA30 Wide Range Light Meter

- Measures up to 40,00Fc & 400,000Lux
- Large display with bargraph
- Relative function for zero or difference from reference value
- Peak captures light pulses to 100ms
- Data hold & Min/Max store
- Complete with AAA batteries, light sensor and protective cover with 39" (1m) cable, built-in stand, protective holster & carrying case

Model EA31 EasyView® Big Digit Light Meter

- Measures up to 20,000Fc/20,000 Lux
- 0.01Fc /0.01Lux resolution
- 2000 count display with bargraph
- Data hold & Min/Max store
- Complete with AAA batteries, light sensor and protective cover with 39" (1m) cable, built-in stand, protective holster & carrying case

Model 407026 Heavy Duty Light Meter with PC Interface

Enhance accuracy by selecting one of four lighting types plus PC interface

- % displays differential from reference point
- "ZERO" Re-Calibration
- Selectable lighting type Tungsten/Daylight, Fluorescent, Sodium, Mercury
- Data hold, Min/Max/Avg readings
- Auto power off
- Optional Data Acquisition software (407001) and Datalogger (380340)
- Complete with 9V battery, light sensor and protective cover with 3.8ft 1.2m) cable, and protective holster with stand. Optional 117V or 220V AC adaptors.

SPECIFICATIONS		
Model	**EA30**	**407026**
Display counts:	4000 (LCD)	2000 (LCD)
Range: Fc	40, 400, 4000, 40000	200, 2000, 5000
Lux	40, 400, 4000, 40000,400000	2000, 20000, 50000
Max. Resolution:	0.01Fc/0.01Lux	0.1Fc/Lux
Basic Accuracy:	±3% rdg ±0.5% FS	±4% FS
Cosine & Color Corrected:	Yes	Yes
RS-232 Interface:	–	Optional 407001
Datalogging:	–	Optional 380340
Dimensions:	5.9 x 2.8 x 1.4" (150x72x33mm)	7 x 2.9 x 1.3" (178x74x33mm)

ORDERING INFORMATION	
EX/EA30	Wide Range Big Digit Lightmeter
EX/EA31	Big Digit Lightmeter
EX/407026	Heavy Duty Lightmeter
EX/407001	Data Acquisition Software & Serial Cable for 407026
EX/156119	117VAC Adaptor for 407026
EX/409997	Large Soft Vinyl Pouch Carrying Case for 407026
EX/407001	Data Acquisition Software & PC Serial Cable
EX/380340	Data Logger w/8000 Reading Storage, PC Software, Serial Cable

AMPROBE®

Data Sheet

TACH20
Combo Tachometer
Contact and Non-Contact

The Amprobe TACH20 hand-held tachometer accurately measures rotational or surface speed as well as length. It comes with a large LCD display that allows the user to easily read the measurement. It also has a built in memory function that permits automatic storage of maximum, minimum, average values plus the last measurement displayed.

The TACH20 is supplied with all the necessary accessories designed with optimal mechanical stability to ensure accurate, reliable, and repeatable measurements. In addition to the mechanical adapter that accepts a variety of tips, as well as the surface speed wheel for contact rpm measurement, the TACH20 can perform non-contact measurement by using the infrared beam function.

- **Measures rotational and surface speed**
- **Built-in memory**
- **Digital Display**
- **Auto power off function**
- **Easy to select units and mode functions**
- **Contact and non-contact measurement**
- **Select rpm using infrared beam or adapter: m/min, m/sec, ft/min, ft/sec, in/min, m, ft, and in.**
- **Includes 6 Adapters, Carrying Case, Reflective Tapes, Batteries and User Manual**

No hassle warranty

No waiting.

No shipping charges.

WARRANTY NO HASSLE PROGRAM

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

N10140 CE

Authorized Distributor: WESCHLER INSTRUMENTS 800-903-9870 www.weschler.com info@weschler.com

AMPROBE®

TACH20 Combo Tachometer

Data Sheet

Specifications

General Specifications				
Accuracy	±0.02% v. reading ±1 Digit			
Measuring Ranges rpm	optical	1 ... 99999 min		
	mechanical	1 ... 19999 min		
Speed		Ø 01 m	Ø6"	Ø 12" m/min
	0.10 ...1999		0.10 ...1524	0.40 ...609.6
	ft/min	0.40 ...6550	0.40 ...5000	0.40 ...2000
	in/min	4.00 ...78700	4.00 ...60000	4.00 ...24000
	m/sec	0.10 ...33.30	0.10 ...25.40	0.10 ...10.16
	ft/sec	0.10 ...109	0.10 ...83.33	0.10 ...33.30

Length	0 ...99999 m / 0...99999 ft / 0...99999 in
Sensing Distance (optical)	max. 600 mm (24 in)
Operation	
Battery type	2x AA 1.5V Battery LR6 (ALKALINE) or rechargeable
Operating Temperature	0 ... +50°C (32...122°F)
Storage Temperature	-20...+70°C (0...160°F)
Housing	
Material	ABS
Weight	250 g (0.55 lb)
Size	175x60x28 mm (7x2.5x1 in)
Agency Approvals & Certifications	CE

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